

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

ROOS

Atty. Ref.: 2483-25

Serial No. to be assigned

Group: unknown

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Examiner: unknown

For: APPARATUS AND METHOD FOR PRE-PROVISIONING OF BROADBAND  
ACCESS TO SUBSCRIBERS IN A TELECOMMUNICATIONS SYSTEM

\* \* \* \* \*

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**PRELIMINARY AMENDMENT**

In order to place the above-identified application in better condition for examination,  
please amend the application as follows:

**IN THE CLAIMS**

Please cancel claims 1-8 without prejudice or disclaimer.

Please add the following new claims 9-16 as follows:

9. {NEW} An apparatus in a telecommunication system for providing access to telecommunication services to subscribers at user terminals, each of which being separately connected to at least one access point via high speed modems and a communication network, the at least one access point comprising high speed modems with filters required, characterised in that the access point modems are arranged in two groups, a pool of a plurality of high speed modems; and multiple high speed modems with direct access; and a control means is adapted to control modems and filters during transfer of connections between the user terminals and the at least one access point from accessing the pool of modems to another access point of directly accessible modems whereby new access points are made available.

10. {NEW} An apparatus in a telecommunication system according to claim 9, characterised in that

an access means is provided with a second modem enabling initial installation with a control means to monitor the installation and establish a connection.

11. {NEW} An apparatus in a telecommunication system according to claim 10, characterised in that

the control means is adapted to retrieve subscriber information to individualise the established connection.

12. {NEW} An apparatus in a telecommunication system according to claim 9, characterised in that,

the pool of filters is connected directly to the station side of a first access node.

13. {NEW} An apparatus in a telecommunication system according to claim 9, characterised in that,

the pool of filters is connected in front of at least one line card connector of a second access node.

14. {NEW} An apparatus in a telecommunication system according to claim 9, characterised in that,

a management system is provided to process retrieved additional user information whereby the established connection can be adapted according to user specifications.

15. {NEW} A method in a telecommunication system for providing access to telecommunication services to subscribers at user terminals, each of which being separately connected to at least one access point via high speed modems and a communication network, the at least one access point comprising high speed modems with filters required, characterised by the steps of

transmission of a signal from an access means including user terminal identity to a control means;

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searching, by the control means, for an available connection path for the access means at an access point;

creating, by the control means, a bi-directional high speed data transmission path between the user terminal and the at least one access point; and

activating, by the control means, the transmission path between the user terminal and the at least one access point.

16. {NEW} A method in a communication system according to claim 15, further characterised by the steps of

monitoring, by the control means, available access points in the pool of a plurality of high speed modems; and

transferring subscriber connections from one access point in the communication system to another access point; whereby access points in the pool of modems are made available for new subscribers.

### REMARKS

The above amendments are made to place the claims in a more traditional format.

Respectfully submitted,

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